

INVESTIGATION OF U.S. PATENT APP. SER. NO. 09/935,131

Claims 20 and 30 of U.S. Patent App. Ser. No. 09/935,131

Narus Business Infrastructure Platform

<p>20. A method for policy-based billing for a network session, comprising:</p> <p>(a) receiving a plurality of packets at a plurality of analyzers;</p> <p>(b) aggregating the plurality of packets;</p> <p>(c) analyzing the plurality of packets to identify a plurality of flows;</p> <p>(d) identifying a session associated with the flows;</p> <p>(e) identifying at least one application associated with the session;</p> <p>(f) reconstructing the session utilizing the identified application;</p> <p>(g) identifying a user associated with the session;</p> <p>(h) determining a policy; and</p>	<p>"NARUS offers the only billing mediation solution for differentiated services providing application-level usage information in real time and on a per subscriber basis." (See Appendix E)</p> <p>"The NARUS Policy Abuse Detection Solution provides abuse and fraud detection capabilities which enable MSOs to identify abusers and help decide whether to terminate them or bill them based on resource usage." See Appendix E)</p> <p>"NARUS Analyzers [which function] to capture IP session information...in real-time" (See Appendix B)</p> <p>IP traffic is referred to as "packets" in Appendix C.</p> <p>The Narus Business Infrastructure Platform discloses "data-flow analysis" and "by using data filtering, transformation, and aggregation techniques, they optimize data collection across all applications and, where applicable, repurpose the collected data for multiple applications." (See Appendix B)</p> <p>The Narus Business Infrastructure Platform discloses "Analyzers [that] access these network elements, retrieve session data, and parse various data formats to generate meaningful usage information." (See Appendix B)</p> <p>The Narus Business Infrastructure Platform discloses a "software server that applies user-defined policies to raw session details received from NARUS Analyzers. By compiling session details from multiple Analyzers and applying subscriber related information, the LogicServer provides a comprehensive view of customer session activity." (See Appendix B)</p> <p>"The NARUS Analyzers reconstruct the traffic in real time, based on an application-level understanding of the IP traffic." (See Appendices A and B)</p> <p>The Narus Business Infrastructure Platform discloses "Analyzers [that] access these network elements, retrieve session data, and parse various data formats to generate meaningful usage information." (See Appendix B)</p> <p>The Narus Business Infrastructure Platform discloses a "software server that applies user-defined policies to raw session details received from NARUS Analyzers. By compiling session details from multiple Analyzers and applying subscriber related information, the LogicServer provides a comprehensive view of customer session activity." (See Appendix B)</p> <p>"NARUS offers the only billing mediation solution for differentiated services providing</p>
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<p>(i) billing the user for the session in accordance with the policy.</p>	<p>application-level usage information in real time and on a per subscriber basis." (See Appendix E)</p> <p>"The NARUS Policy Abuse Detection Solution provides abuse and fraud detection capabilities which enable MSOs to identify abusers and help decide whether to terminate them or bill them based on resource usage." See Appendix E)</p> <p>See also Appendices A-E.</p> <p>"The LogicServer is a real-time, high-performance software server".."NARUS Virtual Analyzers are lightweight software".."NARUS LogicServer™ software" (See Appendix B)</p> <p>See also the analysis above relating to Claim 20.</p>
<p>30. A computer program product for policy-based billing for a network session, comprising:</p> <p>(a) computer code for receiving a plurality of packets at a plurality of analyzers;</p> <p>(b) computer code for aggregating the plurality of packets;</p> <p>(c) computer code for analyzing the plurality of packets to identify a plurality of flows;</p> <p>(d) computer code for identifying a session associated with the flows;</p> <p>(e) computer code for identifying at least one application associated with the session;</p> <p>(f) computer code for reconstructing the session utilizing the identified application;</p> <p>(g) computer code for identifying a user associated with the session;</p> <p>(h) computer code for determining a policy; and</p> <p>(i) computer code for billing the user for the session in accordance with the policy.</p>	